



U.S. Department
of Transportation

National Highway
Traffic Safety
Administration

Part 573 Safety Recall Report

25V649

Manufacturer Name: Kia America, Inc.

Submission Date: Sep 29, 2025

NHTSA Recall No.: 25V649

Manufacturer Recall No.: SC351

Manufacturer Information

Population

Manufacturer Name: Kia America, Inc.

Address: 111 Peters Canyon Road
Irvine CA, 92606

Total number of potentially involved: 39,536

Estimated percentage with defect: 1%

Vehicle Information

Vehicle 1: 2021-2023 KIA SORENTO

Product Category: Light Vehicles

Product Type: Multipurpose Passenger Vehicle

Fuel / Propulsion: Spark Ignition Fuel

Production Dates: Sep 10, 2020 - Dec 29, 2023

Number of potentially involved: 39,536

Descriptive Information:

All 2021-2023 model year Kia Sorento LX vehicles manufactured from September 10, 2020 through December 29, 2023 manufactured at Kia Georgia.

The recall population was determined by a review of supplier and Kia vehicle production records. The vehicles subject to this recall were not produced in VIN order. Customers seeking information about their specific vehicle will be referred to Kia's Customer Care Center or their Kia dealer.

Defect / Noncompliance Description

Description of the defect or noncompliance:

Due to a suspected wire harness supplier quality issue, the connection between the blower motor resistor and connector can overheat when using the HVAC system on fan speed 3 while the ignition is on. In rare cases, this condition may lead to a fire.

FMVSS1:

FMVSS2:

Description of the safety risk, including crash, fire, death, injury:

Part 573 Safety Recall Report

25V649

A fire increases the risk of injury.

Description of the cause:

Production variances due to quality control at supplier including thinner than nominal wiring gauge.

Identification of any warning that can occur:

Blower motor inoperable, burning/melting smell, and/or smoke from vents.

Component Manufacturer

Tier of Supplier: Tier 2

Supplier Type: OEM

Name: Aptiv

Address: Av. Maestro Israel Cavazos Garza 300
Valle de San Roque, Nuevo Leon Foreign States, 67192

Country: Mexico

Involved Components

Component Name 1: WIRING ASSY-MAIN

Component Description: Main Wiring Assembly

Component Part Number: 91100-R5140

Chronology

See attached document titled "2021-2023MY Sorento HVAC Wire Harness Chronology."

Related NHTSA Recall Number:

Description of Remedy

Remedy Type: Replace

Part 573 Safety Recall Report

25V649

Consumer Advisories: ☐ Do Not Drive ☐ Park Outside

Description of remedy program:

All owners of the subject vehicles will be notified by first- class mail with instructions to bring their vehicles to a Kia dealer. Dealers will replace as a set both the blower motor resistor circuit harness with an improved one and blower motor resistor with a new one. Kia will reimburse owners for repair expenses already incurred pursuant to Kia's General Reimbursement Plan filed May 1, 2024.

How remedy component differs from recalled component:

The remedy component contains a blower motor resistor circuit harness from a different supplier without any suspected quality control deviations.

Identify how/when recall condition was corrected in production:

The recall condition was not corrected in production. The 2024MY Sorento vehicles are equipped with a different HVAC system and thus a different component than the recalled vehicles.

Reimbursement Plan

Manufacturer used general reimbursement plan on file.

Recall Schedule

Description of recall schedule:

The planned dealer notification schedule is set to begin and end on September 26, 2025. The planned owner notification schedule is set to begin and end on November 24, 2025.

Planned Dealer Notification Date: Sep 26, 2025 - Sep 26, 2025 ☐ No Dealers

Planned Interim Owner Notification Date: Nov 24, 2025 - Nov 24, 2025 ☐ No Owners

Planned Remedy Owner Notification Date: Dec 31, 2025 - Dec 31, 2025 ☐ Phased Recall

Date when VIN will be searchable: Oct 09, 2025